

## 7. LAMPIRAN

### Lampiran 1. Normalitas Data

Tests of Normality							
ph	Perlakuan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
ph	hari 0 kontrol positif klorin 100 ppm	,285	9	,034	,773	9	,010
	hari 1 kontrol positif klorin 100 ppm	,385	9	,000	,663	9	,001
	hari 2 kontrol positif klorin 100 ppm	,198	9	,200*	,887	9	,188
	hari 3 kontrol positif klorin 100 pm	,315	9	,011	,736	9	,004
	hari 4 kontrol positif 100 ppm	,183	9	,200*	,902	9	,267
	hari 5 kontrol positif klorin 100 ppm	,201	9	,200*	,878	9	,151
	hari 6 kontrol positif klorin 100 ppm	,190	9	,200*	,914	9	,346
	hari 7 kontrol positif klorin 100 ppm	,169	9	,200*	,931	9	,492
	hari 0 basa 0 menit	,169	9	,200*	,919	9	,381
	hari 1 basa 0 menit	,168	9	,200*	,917	9	,369
	hari 2 basa 0 menit	,201	9	,200*	,955	9	,741
	hari 3 basa 0 menit	,366	9	,001	,672	9	,001
	hari 4 basa 0 menit	,218	9	,200*	,821	9	,036
	hari 5 basa 0 menit	,323	9	,007	,782	9	,013
	hari 6 basa 0 menit	,228	9	,195	,854	9	,081
	hari 7 basa 0 menit	,112	9	,200*	,977	9	,946
	hari 0 basa 2 menit	,219	9	,200*	,933	9	,507
	hari 1 basa 2 menit	,216	9	,200*	,860	9	,095
	hari 2 basa 2 menit	,196	9	,200*	,887	9	,186
	hari 3 basa 2 menit	,235	9	,162	,871	9	,126
	hari 4 basa 2 menit	,264	9	,071	,763	9	,008
	hari 5 basa 2 menit	,337	9	,004	,765	9	,008
	hari 6 basa 2 menit	,275	9	,048	,800	9	,020
	hari 7 basa 2 menit	,159	9	,200*	,944	9	,627
	hari 0 basa 4 menit	,171	9	,200*	,936	9	,543
	hari 1 basa 4 menit	,360	9	,001	,708	9	,002
	hari 2 basa 4 menit	,203	9	,200*	,849	9	,073
	hari 3 basa 4 menit	,246	9	,125	,818	9	,033
	hari 4 basa 4 menit	,301	9	,019	,778	9	,011
	hari 5 basa 4 menit	,296	9	,022	,783	9	,013
	hari 6 basa 4 menit	,194	9	,200*	,873	9	,131
	hari 7 basa 4 menit	,208	9	,200*	,948	9	,669
	hari 0 basa 6 menit	,118	9	,200*	,960	9	,795
	hari 1 basa 6 menit	,335	9	,004	,775	9	,010
	hari 2 basa 6 menit	,301	9	,018	,770	9	,009
	hari 3 basa 6 menit	,179	9	,200*	,909	9	,311
	hari 4 basa 6 menit	,199	9	,200*	,930	9	,481
	hari 5 basa 6 menit	,247	10	,084	,825	10	,029
	hari 6 basa 6 menit	,264	8	,107	,843	8	,080
	hari 7 basa 6 menit	,297	9	,021	,834	9	,050
TMA	hari 0 kontrol positif klorin 100 ppm	,205	9	,200*	,921	9	,405
	hari 1 kontrol positif klorin 100 ppm	,164	9	,200*	,913	9	,335
	hari 2 kontrol positif klorin 100 ppm	,321	9	,008	,780	9	,012
	hari 3 kontrol positif klorin 100 pm	,190	9	,200*	,933	9	,514
	hari 4 kontrol positif 100 ppm	,244	9	,129	,839	9	,056
	hari 5 kontrol positif klorin 100 ppm	,165	9	,200*	,912	9	,332
	hari 6 kontrol positif klorin 100 ppm	,218	9	,200*	,889	9	,195
	hari 7 kontrol positif klorin 100 ppm	,227	9	,200*	,850	9	,074
	hari 0 basa 0 menit	,215	9	,200*	,924	9	,429
	hari 1 basa 0 menit	,113	9	,200*	,986	9	,988
	hari 2 basa 0 menit	,252	9	,103	,820	9	,035
	hari 3 basa 0 menit	,183	9	,200*	,920	9	,392
	hari 4 basa 0 menit	,162	9	,200*	,950	9	,685
	hari 5 basa 0 menit	,233	9	,173	,867	9	,114
	hari 6 basa 0 menit	,230	9	,186	,792	9	,016
	hari 7 basa 0 menit	,267	9	,063	,831	9	,046
	hari 0 basa 2 menit	,246	9	,124	,712	9	,002
	hari 1 basa 2 menit	,229	9	,189	,897	9	,234
	hari 2 basa 2 menit	,267	9	,063	,807	9	,025
	hari 3 basa 2 menit	,265	9	,068	,833	9	,049
	hari 4 basa 2 menit	,196	9	,200*	,942	9	,604
	hari 5 basa 2 menit	,326	9	,007	,808	9	,025
	hari 6 basa 2 menit	,247	9	,119	,843	9	,063
	hari 7 basa 2 menit	,191	9	,200*	,925	9	,436
	hari 0 basa 4 menit	,142	9	,200*	,953	9	,728
	hari 1 basa 4 menit	,152	9	,200*	,955	9	,744
	hari 2 basa 4 menit	,250	9	,110	,877	9	,146
	hari 3 basa 4 menit	,264	9	,069	,852	9	,078
	hari 4 basa 4 menit	,212	9	,200*	,874	9	,136
	hari 5 basa 4 menit	,138	9	,200*	,964	9	,843
	hari 6 basa 4 menit	,201	9	,200*	,888	9	,189
	hari 7 basa 4 menit	,148	9	,200*	,928	9	,458
	hari 0 basa 6 menit	,217	9	,200*	,873	9	,133
	hari 1 basa 6 menit	,192	9	,200*	,963	9	,827
	hari 2 basa 6 menit	,257	9	,089	,855	9	,084
	hari 3 basa 6 menit	,255	9	,094	,803	9	,022
	hari 4 basa 6 menit	,169	9	,200*	,919	9	,383
	hari 5 basa 6 menit	,174	10	,200*	,980	10	,967
	hari 6 basa 6 menit	,255	8	,133	,826	8	,054
	hari 7 basa 6 menit	,147	9	,200*	,955	9	,745

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## Tests of Normality

	Perlakuan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
air	hari 0 kontrol positif klorin 100 ppm	,361	3	.	,806	3	,128
	hari 1 kontrol positif klorin 100 ppm	,284	3	.	,933	3	,501
	hari 2 kontrol positif klorin 100 ppm	,202	3	.	,994	3	,855
	hari 3 kontrol positif klorin 100 pm	,208	3	.	,992	3	,827
	hari 4 kontrol positif 100 ppm	,339	3	.	,851	3	,243
	hari 5 kontrol positif klorin 100 ppm	,231	3	.	,981	3	,732
	hari 6 kontrol positif klorin 100 ppm	,226	3	.	,983	3	,752
	hari 7 kontrol positif klorin 100 ppm	,369	3	.	,788	3	,087
	hari 0 basa 0 menit	,203	3	.	,994	3	,849
	hari 1 basa 0 menit	,209	3	.	,992	3	,826
	hari 2 basa 0 menit	,289	3	.	,927	3	,479
	hari 3 basa 0 menit	,218	3	.	,987	3	,786
	hari 4 basa 0 menit	,282	3	.	,935	3	,510
	hari 5 basa 0 menit	,301	3	.	,912	3	,425
	hari 6 basa 0 menit	,294	3	.	,921	3	,455
	hari 7 basa 0 menit	,241	3	.	,974	3	,691
	hari 0 basa 2 menit	,377	3	.	,769	3	,043
	hari 1 basa 2 menit	,364	3	.	,800	3	,115
	hari 2 basa 2 menit	,219	3	.	,987	3	,781
	hari 3 basa 2 menit	,238	3	.	,976	3	,703
	hari 4 basa 2 menit	,227	3	.	,983	3	,750
	hari 5 basa 2 menit	,177	3	.	1,000	3	,961
	hari 6 basa 2 menit	,317	3	.	,888	3	,349
	hari 7 basa 2 menit	,316	3	.	,889	3	,353
	hari 0 basa 4 menit	,255	3	.	,963	3	,629
	hari 1 basa 4 menit	,281	3	.	,937	3	,516
	hari 2 basa 4 menit	,315	3	.	,890	3	,356
	hari 3 basa 4 menit	,320	3	.	,883	3	,333
	hari 4 basa 4 menit	,324	3	.	,877	3	,317
	hari 5 basa 4 menit	,363	3	.	,801	3	,117
	hari 6 basa 4 menit	,302	3	.	,910	3	,419
	hari 7 basa 4 menit	,316	3	.	,889	3	,352
	hari 0 basa 6 menit	,372	3	.	,783	3	,074
	hari 1 basa 6 menit	,201	3	.	,994	3	,856
	hari 2 basa 6 menit	,189	3	.	,998	3	,909
	hari 3 basa 6 menit	,307	3	.	,904	3	,397
	hari 4 basa 6 menit	,259	3	.	,959	3	,609
	hari 5 basa 6 menit	,357	3	.	,814	3	,149
	hari 6 basa 6 menit	,296	3	.	,918	3	,445
	hari 7 basa 6 menit	,248	3	.	,968	3	,657
whc	hari 0 kontrol positif klorin 100 ppm	,374	3	.	,778	3	,062
	hari 1 kontrol positif klorin 100 ppm	,228	3	.	,982	3	,742
	hari 2 kontrol positif klorin 100 ppm	,221	3	.	,986	3	,774
	hari 3 kontrol positif klorin 100 pm	,224	3	.	,984	3	,759
	hari 4 kontrol positif 100 ppm	,246	3	.	,970	3	,667
	hari 5 kontrol positif klorin 100 ppm	,222	3	.	,985	3	,768
	hari 6 kontrol positif klorin 100 ppm	,353	3	.	,824	3	,173
	hari 7 kontrol positif klorin 100 ppm	,331	3	.	,866	3	,283
	hari 0 basa 0 menit	,212	3	.	,990	3	,813
	hari 1 basa 0 menit	,283	3	.	,934	3	,505
	hari 2 basa 0 menit	,209	3	.	,992	3	,824
	hari 3 basa 0 menit	,220	3	.	,986	3	,776
	hari 4 basa 0 menit	,293	3	.	,922	3	,460
	hari 5 basa 0 menit	,297	3	.	,917	3	,443
	hari 6 basa 0 menit	,189	3	.	,998	3	,907
	hari 7 basa 0 menit	,233	3	.	,979	3	,722
	hari 0 basa 2 menit	,377	3	.	,769	3	,043
	hari 1 basa 2 menit	,313	3	.	,895	3	,369
	hari 2 basa 2 menit	,214	3	.	,990	3	,805
	hari 3 basa 2 menit	,239	3	.	,975	3	,699
	hari 4 basa 2 menit	,227	3	.	,983	3	,750
	hari 5 basa 2 menit	,177	3	.	1,000	3	,974
	hari 6 basa 2 menit	,313	3	.	,895	3	,369
	hari 7 basa 2 menit	,330	3	.	,867	3	,288
	hari 0 basa 4 menit	,254	3	.	,964	3	,634
	hari 1 basa 4 menit	,280	3	.	,938	3	,519
	hari 2 basa 4 menit	,311	3	.	,897	3	,376
	hari 3 basa 4 menit	,320	3	.	,884	3	,335
	hari 4 basa 4 menit	,344	3	.	,841	3	,218
	hari 5 basa 4 menit	,366	3	.	,796	3	,105
	hari 6 basa 4 menit	,282	3	.	,936	3	,511
	hari 7 basa 4 menit	,177	3	.	1,000	3	,961
	hari 0 basa 6 menit	,372	3	.	,782	3	,073
	hari 1 basa 6 menit	,201	3	.	,994	3	,856
	hari 2 basa 6 menit	,190	3	.	,997	3	,903
	hari 3 basa 6 menit	,313	3	.	,895	3	,369
	hari 4 basa 6 menit	,257	3	.	,961	3	,619
	hari 5 basa 6 menit	,355	3	.	,819	3	,161
	hari 6 basa 6 menit	,296	3	.	,918	3	,444
	hari 7 basa 6 menit	,240	3	.	,975	3	,694

a. Lilliefors Significance Correction

Lampiran 2. Analisa *One Way Anova* Dari Perlakuan**TMA**Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05			
		1	2	3	4
hari 6 kontrol positif klorin 100 ppm	9	71,8592			
hari 7 kontrol positif klorin 100 ppm	9	181,2101	181,2101		
hari 2 kontrol positif klorin 100 ppm	9	181,3201	181,3201		
hari 4 kontrol positif klorin 100 ppm	9	184,6206	184,6206		
hari 5 kontrol positif klorin 100 ppm	9		222,0242		
hari 3 kontrol positif klorin 100 ppm	9			383,9603	
hari 1 kontrol positif klorin 100 ppm	9			478,6797	478,6797
hari 0 kontrol positif klorin 100 ppm	9				553,5973
Sig.		,116	,572	,148	,251

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**tma2**Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05			
		1	2	3	4
hari 6 basa 0 menit	9	65,2583			
hari 2 basa 0 menit	9	169,9890	169,9890		
hari 7 basa 0 menit	9		281,7600	281,7600	
hari 4 basa 0 menit	9		328,2949	328,2949	
hari 5 basa 0 menit	9			370,8692	
hari 0 basa 0 menit	9			401,6721	401,6721
hari 3 basa 0 menit	9			409,5930	409,5930
hari 1 basa 0 menit	9				563,1682
Sig.		,205	,071	,171	,066

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**tma3**Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05		
		1	2	3
hari 6 basa 2 menit	9	85,1707		
hari 7 basa 2 menit	9	145,0166		
hari 0 basa 2 menit	9	181,7602	181,7602	
hari 2 basa 2 menit	9	184,1806	184,1806	
hari 5 basa 2 menit	9	188,6909	188,6909	
hari 4 basa 2 menit	9	202,5523	202,5523	
hari 3 basa 2 menit	9		269,2190	
hari 1 basa 2 menit	9			457,4477
Sig.		,062	,159	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**tma4**Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05				
		1	2	3	4	5
hari 6 basa 4 menit	9	95,9516				
hari 7 basa 4 menit	9	156,1278	156,1278			
hari 5 basa 4 menit	9	168,6689	168,6689			
hari 4 basa 4 menit	9	201,0123	201,0123	201,0123		
hari 2 basa 4 menit	9		213,2233	213,2233		
hari 3 basa 4 menit	9			295,6217	295,6217	
hari 0 basa 4 menit	9				356,2376	
hari 1 basa 4 menit	9					590,4511
Sig.		,063	,315	,083	,238	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

## tma5

Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05			
		1	2	3	4
hari 6 basa 6 menit	9	88,1409			
hari 5 basa 6 menit	9	211,7932	211,7932		
hari 2 basa 6 menit	9	214,7634	214,7634		
hari 3 basa 6 menit	9	227,5249	227,5249		
hari 4 basa 6 menit	9	232,2552	232,2552		
hari 7 basa 6 menit	9		351,0671	351,0671	
hari 0 basa 6 menit	9			468,0088	468,0088
hari 1 basa 6 menit	9				531,2652
Sig.		,085	,096	,117	,393

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

air

Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05	
		1	2
hari 0 kontrol positif klorin 100 ppm	3	63,0053	
hari 1 kontrol positif klorin 100 ppm	3	75,5813	75,5813
hari 5 kontrol positif klorin 100 ppm	3	75,7517	75,7517
hari 2 kontrol positif klorin 100 ppm	3	76,0297	76,0297
hari 3 kontrol positif klorin 100 ppm	3	77,7100	77,7100
hari 4 kontrol positif 100 ppm	3	78,0313	78,0313
hari 6 kontrol positif klorin 100 ppm	3		79,8793
hari 7 kontrol positif klorin 100 ppm	3		89,4800
Sig.		,051	,071

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air2**Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05
		1
hari 1 basa 0 menit	3	74,9070
hari 5 basa 0 menit	3	75,2403
hari 3 basa 0 menit	3	77,0143
hari 2 basa 0 menit	3	77,3430
hari 4 basa 0 menit	3	78,4013
hari 7 basa 0 menit	3	80,1470
hari 6 basa 0 menit	3	80,9190
hari 0 basa 0 menit	3	82,1040
Sig.		,236

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air3**Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05	
		1	2
hari 1 basa 2 menit	3	58,6397	
hari 5 basa 2 menit	3	75,3387	75,3387
hari 2 basa 2 menit	3	76,4250	76,4250
hari 0 basa 2 menit	3	77,4207	77,4207
hari 3 basa 2 menit	3		78,9523
hari 4 basa 2 menit	3		79,7867
hari 7 basa 2 menit	3		79,9300
hari 6 basa 2 menit	3		80,2987
Sig.		,057	,609

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air4**Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05			
		1	2	3	4
hari 1 basa 4 menit	3	74,6110			
hari 0 basa 4 menit	3	75,2010	75,2010		
hari 5 basa 4 menit	3	76,5513	76,5513	76,5513	
hari 2 basa 4 menit	3	77,7690	77,7690	77,7690	77,7690
hari 7 basa 4 menit	3		78,1463	78,1463	78,1463
hari 3 basa 4 menit	3			79,4527	79,4527
hari 4 basa 4 menit	3				80,3573
hari 6 basa 4 menit	3				81,2360
Sig.		,069	,088	,092	,051

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air5**Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05		
		1	2	3
hari 0 basa 6 menit	3	72,8987		
hari 5 basa 6 menit	3	74,2190		
hari 1 basa 6 menit	3	74,9447	74,9447	
hari 2 basa 6 menit	3	76,8620	76,8620	76,8620
hari 4 basa 6 menit	3		78,5320	78,5320
hari 3 basa 6 menit	3		79,1177	79,1177
hari 6 basa 6 menit	3			79,6600
hari 7 basa 6 menit	3			80,3027
Sig.		,068	,055	,115

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc**Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05	
		1	2
hari 0 kontrol positif klorin 100 ppm	3	58,9500	
hari 1 kontrol positif klorin 100 ppm	3		72,5087
hari 2 kontrol positif klorin 100 ppm	3		73,3767
hari 5 kontrol positif klorin 100 ppm	3		74,6447
hari 4 kontrol positif klorin 100 ppm	3		76,3010
hari 3 kontrol positif klorin 100 pm	3		76,6357
hari 7 kontrol positif klorin 100 ppm	3		78,0510
hari 6 kontrol positif klorin 100 ppm	3		78,8940
Sig.		1,000	,225

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc2**Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05	
		1	2
hari 1 basa 0 menit	3	71,2560	
hari 5 basa 0 menit	3	74,0930	74,0930
hari 0 basa 0 menit	3	74,9793	74,9793
hari 2 basa 0 menit	3	75,1123	75,1123
hari 3 basa 0 menit	3	75,7083	75,7083
hari 4 basa 0 menit	3	77,0667	77,0667
hari 7 basa 0 menit	3		79,4510
hari 6 basa 0 menit	3		79,9400
Sig.		,092	,093

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc3**Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05
		1
hari 1 basa 2 menit	3	75,3653
hari 5 basa 2 menit	3	75,3823
hari 2 basa 2 menit	3	76,4687
hari 0 basa 2 menit	3	77,4827
hari 3 basa 2 menit	3	79,0220
hari 4 basa 2 menit	3	79,8207
hari 7 basa 2 menit	3	79,9573
hari 6 basa 2 menit	3	80,3170
Sig.		,076

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.



**whc4**Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05				
		1	2	3	4	5
hari 1 basa 4 menit	3	74,6497				
hari 0 basa 4 menit	3	75,2607	75,2607			
hari 5 basa 4 menit	3	76,5807	76,5807	76,5807		
hari 2 basa 4 menit	3		77,8170	77,8170	77,8170	
hari 3 basa 4 menit	3			79,4893	79,4893	79,4893
hari 7 basa 4 menit	3				79,6070	79,6070
hari 4 basa 4 menit	3				80,3950	80,3950
hari 6 basa 4 menit	3					81,2527
Sig.		,181	,082	,050	,088	,233

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc5**Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05		
		1	2	3
hari 0 basa 6 menit	3	72,9640		
hari 5 basa 6 menit	3	74,2787		
hari 1 basa 6 menit	3	74,9930	74,9930	
hari 2 basa 6 menit	3	76,8933	76,8933	76,8933
hari 4 basa 6 menit	3		78,5670	78,5670
hari 3 basa 6 menit	3		79,1657	79,1657
hari 6 basa 6 menit	3			79,7077
hari 7 basa 6 menit	3			80,3277
Sig.		,069	,055	,115

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

ph

Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05			
		1	2	3	4
hari 0 kontrol positif klorin 100 ppm	9	7,3922			
hari 4 kontrol positif klorin 100 ppm	9	7,4767			
hari 3 kontrol positif klorin 100 pm	9	7,5344			
hari 1 kontrol positif klorin 100 ppm	9		7,7767		
hari 2 kontrol positif klorin 100 ppm	9		7,8378		
hari 5 kontrol positif klorin 100 ppm	9		7,9233	7,9233	
hari 6 kontrol positif klorin 100 ppm	9			8,0722	8,0722
hari 7 kontrol positif klorin 100 ppm	9				8,2333
Sig.		,112	,101	,079	,058

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

ph2

Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05				
		1	2	3	4	5
hari 0 basa 0 menit	9	7,1933				
hari 3 basa 0 menit	9		7,3922			
hari 4 basa 0 menit	9		7,4978			
hari 1 basa 0 menit	9		7,5756			
hari 2 basa 0 menit	9			7,7833		
hari 6 basa 0 menit	9				8,0100	
hari 5 basa 0 menit	9				8,1233	8,1233
hari 7 basa 0 menit	9					8,2867
Sig.		1,000	,078	1,000	,247	,097

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

## ph3

Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05				
		1	2	3	4	5
hari 0 basa 2 menit	9	7,4233				
hari 1 basa 2 menit	9	7,5256	7,5256			
hari 3 basa 2 menit	9		7,5922			
hari 4 basa 2 menit	9		7,6267			
hari 2 basa 2 menit	9			7,9000		
hari 5 basa 2 menit	9				8,0322	
hari 6 basa 2 menit	9					8,3378
hari 7 basa 2 menit	9					8,3489
Sig.		,079	,100	1,000	1,000	,847

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

## ph4

Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05				
		1	2	3	4	5
hari 2 basa 4 menit	9	7,3222				
hari 0 basa 4 menit	9	7,3467				
hari 4 basa 4 menit	9	7,3911	7,3911			
hari 3 basa 4 menit	9		7,5811	7,5811		
hari 1 basa 4 menit	9			7,6111		
hari 5 basa 4 menit	9				7,9789	
hari 6 basa 4 menit	9					8,2533
hari 7 basa 4 menit	9					8,3133
Sig.		,529	,067	,769	1,000	,558

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

## ph5

Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05				
		1	2	3	4	5
hari 4 basa 6 menit	9	7,3889				
hari 0 basa 6 menit	9		7,5856			
hari 1 basa 6 menit	9		7,6733	7,6733		
hari 5 basa 6 menit	9		7,7100	7,7100		
hari 3 basa 6 menit	9		7,7267	7,7267		
hari 2 basa 6 menit	9			7,8022		
hari 6 basa 6 menit	9				8,0233	
hari 7 basa 6 menit	9					8,3144
Sig.		1,000	,149	,188	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

Lampiran 3. Analisa *One Way Anova* Dari Penyimpanan

tma

Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05	
		1	2
hari 0 basa 2 menit	9	181,7602	
hari 0 basa 4 menit	9	356,2376	356,2376
hari 0 basa 0 menit	9		401,6721
hari 0 basa 6 menit	9		468,0088
hari 0 kontrol positif klorin 100 ppm	9		553,5973
Sig.		,069	,059

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

tma1

Duncan<sup>a</sup>

Perlakuan1	N	Subset for alpha = .05
		1
hari 1 basa 2 menit	9	457,4477
hari 1 kontrol positif klorin 100 ppm	9	478,6797
hari 1 basa 6 menit	9	531,2652
hari 1 basa 0 menit	9	563,1682
hari 1 basa 4 menit	9	590,4511
Sig.		,135

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

tma2

Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05
		1
hari 2 basa 0 menit	9	169,9890
hari 2 kontrol positif klorin 100 ppm	9	181,3201
hari 2 basa 2 menit	9	184,1806
hari 2 basa 4 menit	9	213,2233
hari 2 basa 6 menit	9	214,7634
Sig.		,405

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**tma3**Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05	
		1	2
hari 3 basa 6 menit	9	227,5249	
hari 3 basa 2 menit	9	269,2190	269,2190
hari 3 basa 4 menit	9	295,6217	295,6217
hari 3 kontrol positif klorin 100 pm	9	383,9603	383,9603
hari 3 basa 0 menit	9		409,5930
Sig.		,078	,113

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 9,000.

**tma4**Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05	
		1	2
hari 4 kontrol positif 100 ppm	9	184,6206	
hari 4 basa 4 menit	9	201,0123	
hari 4 basa 2 menit	9	202,5523	
hari 4 basa 6 menit	9	232,2552	232,2552
hari 4 basa 0 menit	9		328,2949
Sig.		,454	,100

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 9,000.

**tma5**Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05	
		1	2
hari 5 basa 4 menit	9	168,6689	
hari 5 basa 2 menit	9	188,6909	
hari 5 basa 6 menit	9	211,7932	
hari 5 kontrol positif klorin 100 ppm	9	222,0242	
hari 5 basa 0 menit	9		370,8692
Sig.		,438	1,000

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 9,000.

**tma6**Duncan<sup>a</sup>

perlakuan6	N	Subset for alpha = .05
		1
hari 6 basa 0 menit	9	65,2583
hari 6 kontrol positif klorin 100 ppm	9	71,8592
hari 6 basa 2 menit	9	85,1707
hari 6 basa 6 menit	9	88,1409
hari 6 basa 4 menit	9	95,9516
Sig.		,143

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**tma7**Duncan<sup>a</sup>

perlakuan7	N	Subset for alpha = .05	
		1	2
hari 7 basa 2 menit	9	145,0166	
hari 7 basa 4 menit	9	156,1278	
hari 7 kontrol positif klorin 100 ppm	9	181,2101	
hari 7 basa 0 menit	9	281,7600	281,7600
hari 7 basa 6 menit	9		351,0671
Sig.		,063	,298

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**whc**Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05	
		1	2
hari 0 kontrol positif klorin 100 ppm	3	58,9500	
hari 0 basa 6 menit	3	72,9640	72,9640
hari 0 basa 0 menit	3		74,9793
hari 0 basa 4 menit	3		75,2607
hari 0 basa 2 menit	3		77,4827
Sig.		,055	,528

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc1**Duncan<sup>a</sup>

Perlakuan1	N	Subset for alpha = .05
		1
hari 1 basa 0 menit	3	71,2560
hari 1 kontrol positif klorin 100 ppm	3	72,5087
hari 1 basa 4 menit	3	74,6497
hari 1 basa 6 menit	3	74,9930
hari 1 basa 2 menit	3	75,3653
Sig.		,290

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc2**Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05
		1
hari 2 kontrol positif klorin 100 ppm	3	73,3767
hari 2 basa 0 menit	3	75,1123
hari 2 basa 2 menit	3	76,4687
hari 2 basa 6 menit	3	76,8933
hari 2 basa 4 menit	3	77,8170
Sig.		,067

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc3**Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05	
		1	2
hari 3 basa 0 menit	3	75,7083	
hari 3 kontrol positif klorin 100 pm	3	76,6357	76,6357
hari 3 basa 2 menit	3	79,0220	79,0220
hari 3 basa 6 menit	3	79,1657	79,1657
hari 3 basa 4 menit	3		79,4893
Sig.		,064	,116

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**whc4**Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05	
		1	2
hari 4 kontrol positif 100 ppm	3	76,3010	
hari 4 basa 0 menit	3	77,0667	
hari 4 basa 6 menit	3	78,5670	78,5670
hari 4 basa 2 menit	3		79,8207
hari 4 basa 4 menit	3		80,3950
Sig.		,068	,131

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 3,000.

**whc5**Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05	
		1	2
hari 5 basa 0 menit	3	74,0930	
hari 5 basa 6 menit	3	74,2787	74,2787
hari 5 kontrol positif klorin 100 ppm	3	74,6447	74,6447
hari 5 basa 2 menit	3	75,3823	75,3823
hari 5 basa 4 menit	3		76,5807
Sig.		,260	,059

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 3,000.

**whc6**Duncan<sup>a</sup>

perlakuan6	N	Subset for alpha = .05	
		1	2
hari 6 kontrol positif klorin 100 ppm	3	78,8940	
hari 6 basa 6 menit	3	79,7077	79,7077
hari 6 basa 0 menit	3	79,9400	79,9400
hari 6 basa 2 menit	3	80,3170	80,3170
hari 6 basa 4 menit	3		81,2527
Sig.		,107	,084

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 3,000.



**whc7**Duncan<sup>a</sup>

perlakuan7	N	Subset for alpha = .05	
		1	2
hari 7 kontrol positif klorin 100 ppm	3	78,0510	
hari 7 basa 0 menit	3		79,4510
hari 7 basa 4 menit	3		79,6070
hari 7 basa 2 menit	3		79,9573
hari 7 basa 6 menit	3		80,3277
Sig.		1,000	,217

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air**Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05
		1
hari 0 kontrol positif klorin 100 ppm	3	63,0053
hari 0 basa 6 menit	3	72,8987
hari 0 basa 4 menit	3	75,2010
hari 0 basa 2 menit	3	77,4207
hari 0 basa 0 menit	3	82,1040
Sig.		,066

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air1**Duncan<sup>a</sup>

Perlakuan1	N	Subset for alpha = .05
		1
hari 1 basa 2 menit	3	58,6397
hari 1 basa 4 menit	3	74,6110
hari 1 basa 0 menit	3	74,9070
hari 1 basa 6 menit	3	74,9447
hari 1 kontrol positif klorin 100 ppm	3	75,5813
Sig.		,169

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air2**Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05
		1
hari 2 kontrol positif klorin 100 ppm	3	76,0297
hari 2 basa 2 menit	3	76,4250
hari 2 basa 6 menit	3	76,8620
hari 2 basa 0 menit	3	77,3430
hari 2 basa 4 menit	3	77,7690
Sig.		,369

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air3**Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05
		1
hari 3 basa 0 menit	3	77,0143
hari 3 kontrol positif klorin 100 pm	3	77,7100
hari 3 basa 2 menit	3	78,9523
hari 3 basa 6 menit	3	79,1177
hari 3 basa 4 menit	3	79,4527
Sig.		,153

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air4**Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05	
		1	2
hari 4 kontrol positif 100 ppm	3	78,0313	
hari 4 basa 0 menit	3	78,4013	78,4013
hari 4 basa 6 menit	3	78,5320	78,5320
hari 4 basa 2 menit	3	79,7867	79,7867
hari 4 basa 4 menit	3		80,3573
Sig.		,112	,081

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air5**Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05	
		1	2
hari 5 basa 6 menit	3	74,2190	
hari 5 basa 0 menit	3	75,2403	75,2403
hari 5 basa 2 menit	3	75,3387	75,3387
hari 5 kontrol positif klorin 100 ppm	3	75,7517	75,7517
hari 5 basa 4 menit	3		76,5513
Sig.		,167	,231

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air6**Duncan<sup>a</sup>

perlakuan6	N	Subset for alpha = .05
		1
hari 6 basa 6 menit	3	79,6600
hari 6 kontrol positif klorin 100 ppm	3	79,8793
hari 6 basa 2 menit	3	80,2987
hari 6 basa 0 menit	3	80,9190
hari 6 basa 4 menit	3	81,2360
Sig.		,068

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**air7**Duncan<sup>a</sup>

perlakuan7	N	Subset for alpha = .05
		1
hari 7 basa 4 menit	3	78,1463
hari 7 basa 2 menit	3	79,9300
hari 7 basa 0 menit	3	80,1470
hari 7 basa 6 menit	3	80,3027
hari 7 kontrol positif klorin 100 ppm	3	89,4800
Sig.		,140

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**ph**Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = .05		
		1	2	3
hari 0 basa 0 menit	9	7,1933		
hari 0 basa 4 menit	9	7,3467	7,3467	
hari 0 kontrol positif klorin 100 ppm	9	7,3922	7,3922	7,3922
hari 0 basa 2 menit	9		7,4233	7,4233
hari 0 basa 6 menit	9			7,5856
Sig.		,053	,453	,060

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**ph1**Duncan<sup>a</sup>

Perlakuan1	N	Subset for alpha = .05
		1
hari 1 basa 2 menit	9	7,5256
hari 1 basa 0 menit	9	7,5756
hari 1 basa 4 menit	9	7,6111
hari 1 basa 6 menit	9	7,6733
hari 1 kontrol positif klorin 100 ppm	9	7,7767
Sig.		,054

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**ph2**Duncan<sup>a</sup>

perlakuan2	N	Subset for alpha = .05	
		1	2
hari 2 basa 4 menit	9	7,3222	
hari 2 basa 0 menit	9		7,7833
hari 2 basa 6 menit	9		7,8022
hari 2 kontrol positif klorin 100 ppm	9		7,8378
hari 2 basa 2 menit	9		7,9000
Sig.		1,000	,335

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**ph3**Duncan<sup>a</sup>

perlakuan3	N	Subset for alpha = .05	
		1	2
hari 3 basa 0 menit	9	7,3922	
hari 3 kontrol positif klorin 100 pm	9	7,5344	7,5344
hari 3 basa 4 menit	9	7,5811	7,5811
hari 3 basa 2 menit	9	7,5922	7,5922
hari 3 basa 6 menit	9		7,7267
Sig.		,103	,117

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**ph4**Duncan<sup>a</sup>

perlakuan4	N	Subset for alpha = .05	
		1	2
hari 4 basa 6 menit	9	7,3889	
hari 4 basa 4 menit	9	7,3911	
hari 4 kontrol positif 100 ppm	9	7,4767	7,4767
hari 4 basa 0 menit	9	7,4978	7,4978
hari 4 basa 2 menit	9		7,6267
Sig.		,205	,072

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**ph5**Duncan<sup>a</sup>

perlakuan5	N	Subset for alpha = .05		
		1	2	3
hari 5 basa 6 menit	9	7,7100		
hari 5 kontrol positif klorin 100 ppm	9		7,9233	
hari 5 basa 4 menit	9		7,9789	7,9789
hari 5 basa 2 menit	9		8,0322	8,0322
hari 5 basa 0 menit	9			8,1233
Sig.		1,000	,240	,120

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**ph6**Duncan<sup>a</sup>

perlakuan6	N	Subset for alpha = .05			
		1	2	3	4
hari 6 basa 0 menit	9	8,0100			
hari 6 basa 6 menit	9	8,0233	8,0233		
hari 6 kontrol positif klorin 100 ppm	9		8,0722		
hari 6 basa 4 menit	9			8,2533	
hari 6 basa 2 menit	9				8,3378
Sig.		,619	,074	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**ph7**Duncan<sup>a</sup>

perlakuan7	N	Subset for alpha = .05		
		1	2	3
hari 7 kontrol positif klorin 100 ppm	9	8,2333		
hari 7 basa 0 menit	9		8,2867	
hari 7 basa 4 menit	9		8,3133	8,3133
hari 7 basa 6 menit	9		8,3144	8,3144
hari 7 basa 2 menit	9			8,3489
Sig.		1,000	,287	,173

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9,000.

**Lampiran 4. Analisa Korelasi****Correlations**

		TMA	ph
TMA	Pearson Correlation	1	-,299**
	Sig. (2-tailed)		,000
	N	360	360
ph	Pearson Correlation	-,299**	1
	Sig. (2-tailed)	,000	
	N	360	360

\*\*. Correlation is significant at the 0.01 level

## Lampiran 5 SNI Udang

STANDAR NASIONAL INDONESIA (SNI) UDANG BEKU  
SNI 01-2705-1992

JENIS UJI	PERSYARATAN MUTU	
	Udang mentah beku dengan kulit/tanpa kulit	Udang rebus beku dengan kulit/tanpa kulit
a. Organoleptik		
- Nilai min.	6	6
b. Mikrobiologi		
- Jumlah bakteri <i>TPC</i> / gr.	$5 \times 10^5$	$2 \times 10^5$
Maks.		
- <i>E. Coli</i>	<3	<3
MPN/gr maks		
- <i>Salmonella</i>	negatif	negatif
- <i>Staphylococcus aureus</i> *	$1 \times 10^5$	$1 \times 10^5$
- <i>Vibrio cholera</i>	negatif	negatif
- <i>Vibrio parahaemolyticus</i> (kanagawa negatif) *	$1 \times 10^5$	$1 \times 10^5$
- <i>Listeria monocytogenes</i> *	negatif	negatif
c. Fisika		
- Bobot tuntas	sesuai label	sesuai label
- <i>Filth</i> *	negatif	negatif
- Suhu maks,	-18	-18

\*) Bila diperlukan (rekomendasi)